

WHAT IS CLAIMED IS:

- 1 1. A data management method, comprising:
2 providing a data engine;
3 obtaining an observation at an output device;
4 obtaining another observation at another output device,
5 wherein said observation and said another observation
6 define a plurality of different observations from a
7 plurality of different output devices;
8 sending said plurality of different observations from said
9 plurality of different output devices to said data
10 engine;
11 storing said plurality of different observations in a
12 database under control of said data engine; and
13 in response to a report request:
14 retrieving said plurality of different observations
15 from said database in accordance with parameters in
16 said report request to provide a plurality of
17 retrieved observations; and
18 producing a report based on said plurality of retrieved
19 observations.
- 1 2. A clinical trial data management server method,
2 comprising:
3 receiving, at a server, a user profile provided by a
4 client;

5 based on said user profile, indicating to said client one
6 or more matching clinical trials;
7 receiving a clinical trial selection from said client;
8 providing to said client a selected clinical trial module
9 indicated by said clinical trial selection and
10 corresponding to a selected one of said matching
11 clinical trials.

1 3. The clinical trial data management server method as set
2 forth in claim 2, further comprising:
3 receiving, at said server, clinical trial data relating to
4 one of said clinical trials and including a respective
5 data observation;
6 storing said respective data observation in a database of
7 data observations; and
8 in response to a report request:
9 retrieving selected ones of said data observations from
10 said database in accordance with parameters in said
11 report request to provide a plurality of retrieved
12 observations; and
13 producing a report based on said plurality of retrieved
14 observations.

1 4. The clinical trial data management server method as set
2 forth in claim 3, wherein said clinical trial data is
3 provided to said server by a medical device.

1 5. The clinical trial data management server method as set
2 forth in claim 3, wherein said clinical trial data is
3 provided to said server over the Internet.

1 6. The clinical trial data management server method as set
2 forth in claim 3, wherein said clinical trial data is
3 provided to said server by a general-purpose computing
4 device having said clinical trial data manually inputted by
5 a user.

1 7. The clinical trial data management server method as set
2 forth in claim 6, wherein said general-purpose computing
3 device is one of: a personal computer, a handheld computing
4 device, and a telephone.

1 8. The clinical trial data management server method as set
2 forth in claim 3, wherein:
3 said server includes a data engine;
4 said data engine comprises a health data management module
5 and a clinical trials management module;
6 said health data management module comprises data analysis
7 algorithms used by said data engine to analyze said
8 clinical trial data; and
9 said clinical trials management module:
10 selects said one or more matching clinical trials,
11 based on said user profile;

12 provides an approval of said clinical trial selection;
13 and
14 provides said selected clinical trial module.

15

1 9. The clinical trial data management server method as set
2 forth in claim 8, wherein said clinical trials management
3 module performs said selecting of said one or more matching
4 clinical trials by comparing said received user profile with
5 clinical trials profiles stored in a clinical trials
6 database.

1 10. The clinical trial data management server method as set
2 forth in claim 8, wherein said health data management module
3 comprises data analysis algorithms and is adapted to accept
4 data for one or more of: cardiology data, diabetes data,
5 allergy data, and immunology data.

1 11. The clinical trial data management server method as set
2 forth in claim 8, wherein said health data management module
3 is adapted to send analyzed data to said client, said
4 analyzed data comprising one or more of: a data display,
5 complex data charting, and trend identification.

1 12. The clinical trial data management server method as set
2 forth in claim 11, wherein said complex data charting
3 comprises mathematical EKG pattern analysis.

1 13. The clinical trial data management server method as set
2 forth in claim 11, wherein said trend identification is
3 based on a plurality of said data observations from a
4 plurality of different medical devices.

1 14. A clinical trial data server, comprising;
2 a data engine receiving a user profile provided by a
3 client;
4 said data engine having a clinical trials management
5 module for analyzing said user profile and indicating to
6 said client one or more matching clinical trials;
7 said data engine receiving a clinical trial selection from
8 said client;
9 said clinical trials management module providing to said
10 client a selected clinical trial module indicated by
11 said clinical trial selection and corresponding to a
12 selected one of said matching clinical trials.

1 15. The clinical trial data server as set forth in claim
2 14, further comprising a health data management module
3 receiving clinical trial data relating to one of said
4 clinical trials, said clinical trial data including a

5 respective data observation; and said data engine storing
6 said respective data observation in a database of data
7 observations.

1 16. The clinical trial data server as set forth in claim
2 15, wherein said data engine is adapted to receive said
3 clinical trial data from a medical device.

1 17. The clinical trial data server as set forth in claim
2 15, wherein said data engine is adapted to receive said
3 clinical trial data over the Internet.

1 18. The clinical trial data server as set forth in claim
2 15, wherein said data engine is adapted to receive said
3 clinical trial data from a general-purpose computing device.

1 19. The clinical trial data server as set forth in claim
2 18, wherein said general-purpose computing device is one of:
3 a personal computer, a handheld computing device, and a
4 telephone.

1 20. The clinical trial data server as set forth in claim
2 15, wherein:
3 said health data management module comprises data analysis
4 algorithms used by said data engine to analyze said
5 clinical trial data; and
6 said clinical trials management module:

7 selects said one or more matching clinical trials,
8 based on said user profile;
9 provides an approval of said clinical trial selection;
10 and
11 provides said selected clinical trial module.

12

1 21. The clinical trial data server as set forth in claim
2 20, wherein said clinical trials management module performs
3 said selecting of said one or more matching clinical trials
4 by comparing said received user profile with clinical trials
5 profiles stored in a clinical trials database.

1 22. The clinical trial data server as set forth in claim
2 20, wherein said health data management module comprises
3 data analysis algorithms and is adapted to accept data for
4 one or more of: cardiology data, diabetes data, allergy
5 data, and immunology data.

1 23. The clinical trial data server as set forth in claim
2 20, wherein said health data management module is adapted to
3 send analyzed data to said client, said analyzed data
4 comprising one or more of: a data display, complex data
5 charting, and trend identification.

1 24. The clinical trial data server as set forth in claim
2 23, wherein said complex data charting comprises
3 mathematical EKG pattern analysis.

1 25. The clinical trial data server as set forth in claim
2 23, wherein said trend identification is based on a
3 plurality of said data observations from a plurality of
4 different medical devices.

1 26. A clinical trial client for use on a computer,
2 comprising:

3 a module for sending a user profile to a clinical trial
4 data server;

5 a module for receiving from said clinical trial data
6 server an indication of one or more matching clinical
7 trials;

8 a module for accepting a user selection of one of said one
9 or more matching clinical trials, and sending to said
10 clinical trial data server a clinical trial selection;
11 and

12 a module for receiving and installing a clinical trial
13 module corresponding to said clinical trial selection.

1 27. The clinical trial client as set forth in claim 26,
2 further comprising a module for sending clinical trial data,

3 relating to said clinical trial selection, to said clinical
4 trial data server.

1 28. A user interface for a clinical trial client for use on
2 a computer, comprising:

3 an activatable region for data collection;
4 an activatable region for displaying a data graph; and
5 an activatable region for note operations.

1 29. The user interface as set forth in claim 28, further
2 comprising said activatable region for data collection being
3 responsive to obtain from a user a time indication as to
4 whether an entry time relates to a morning observation or an
5 evening observation.

1 30. The user interface as set forth in claim 29, further
2 comprising obtaining responses to a respective set of
3 assessment questions, said respective set of assessment
4 questions being automatically selected based on said time
5 indication.

1 31. The user interface as set forth in claim 28, further
2 comprising said activatable region for data collection being
3 responsive to obtain a quantitative data input relating to
4 an observation with respect to a medical device.

1 32. The user interface as set forth in claim 28, further
2 comprising said activatable region for data collection being
3 responsive to obtain notes concerning one or more of: a
4 change of medication, a change of dose, and additional
5 medications taken.

1 33. The user interface as set forth in claim 28, further
2 comprising said activatable region for displaying said data
3 graph being responsive to display a graph of data
4 observations previously entered using said activatable
5 region for data collection.

1 34. The user interface as set forth in claim 28, further
2 comprising said activatable region for note operations being
3 responsive to perform operations with respect to notes
4 previously entered using said activatable region for data
5 collection, said operations including one or more of: adding
6 a note; changing a note; and deleting a note.